

KONRAD RAYNES & VICTOR, LLP

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TO: Commissioner for Patents
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Group Art Unit 2145
Patent Examining Corps
Facsimile Center
Washington, D.C. 20231

FROM: David W. Victor

OUR REF: 0037.0096
TELEPHONE: 310-556-7983

Total pages, including cover letter: 26

PTO FAX NUMBER 1-703-872-9306

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Description of Documents Transmitted: PTO/SB/21 TRANSMITTAL FORM; POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS INDICATION FORM; STATEMENT UNDER 37 CFR 3.73(B); LETTER OF AUTHORITY; COPY OF NOTICE OF RECORDATION OF ASSIGNMENT

Applicant: P.L. Bradshaw et al.
Serial No.: 09/972,207
Filed: October 5, 2001
Group Art Unit: 2145
Docket No.: SJO920010097US1

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on
May 19, 2005

By: 
Name: David W. Victor

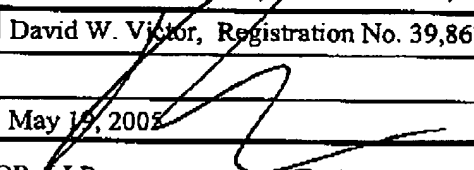
PTO/SB/21
0037.0096

TRANSMITTAL FORM	Application Number	09/972,207
<i>(To be used for all correspondence after initial filing)</i>	Filing Date	October 5, 2001
	Inventor	P.L. Bradshaw et al.
	Group Art Unit	2145
	Examiner Name	A.Q. Choudhury
Total Number of Pages in this Submission: 26	Attorney Docket Number	SJO920010097US1

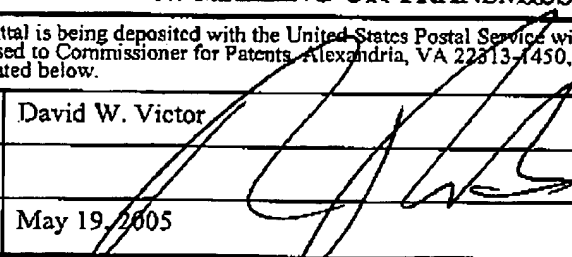
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<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits /Declarations <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; ___ references <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Copy of Notice of Recordation of Assignment <input type="checkbox"/> Formal Drawings: ___ sheets <input type="checkbox"/> Licensing-related papers <input type="checkbox"/> Petition: <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation, and/or Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ___ <input type="checkbox"/> After Allowance Communication to Group	<input type="checkbox"/> Certificate of Correction of Applicant's Mistake (37 CFR 1.323) <input type="checkbox"/> Certificate of Correction of Office Mistake (37 CFR 1.322) <input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Fee Address Indication Form <input checked="" type="checkbox"/> Other Enclosure(s) Statement Under 37 CFR 3.73 (b); letter of Authority
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name:	David W. Victor, Registration No. 39,867
Signature:	
Date:	May 19, 2005
KONRAD RAYNES & VICTOR, LLP 315 South Beverly Drive, Suite 210 Beverly Hills, California 90212 (310) 556-7983	
<input checked="" type="checkbox"/> The Commissioner is authorized to charge any deficiency of fees, or credit any overpayment, to Deposit Account No. 09-0466	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	P.L. Bradshaw et al.	Examiner	2145
Serial No.	09/972,207	Group Art Unit	A.Q. Choudhury
Filed	October 5, 2001	Docket No.	SJO920010097US1
TITLE	STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM EXTENSION POLICY		

POWER OF ATTORNEY AND
CORRESPONDENCE ADDRESS INDICATION FORM

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint the Practitioners associated with the Customer Number:

46917

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

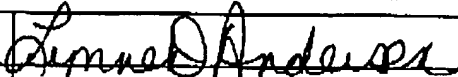
Please recognize or change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

I am the:

- ☐ Applicant/Inventor
- ☒ Assignee of record of the entire interest. (Statement under 37 CFR 3.73(b) is

enclosed)

SIGNATURE of Applicant or Assignee of Record

Signature:		Date:	2-18-05			
Name	Lynne D. Anderson	Title	Program Manager - U.S. Patent and Trademark Office Liaison			
Company	International Business Machines Corporation					
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.						
<input type="checkbox"/> *Total of _____ forms are submitted.						

STATEMENT UNDER 37 CFR 3.73(b)

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Applicant/Patent Owner: International Business Machines CorporationApplication No./Patent No.: 09/972,207Filed/Issue Date: October 5, 2001

Entitled: STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM EXTENSION POLICY

International Business Machines CorporationCorporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
 The extent (by percentage) of its ownership interest is _____%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012726, Frame 0112, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to: Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature:	<i>Lynne D. Anderson</i>	Date:	2-18-05
Name	Lynne D. Anderson	Telephone Number	703-299-1455
Title	Program Manager - U.S. Patent and Trademark Office Liaison»		

LETTER OF AUTHORITY

I, Gerald Rosenthal, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney; authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; requests for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Lynne D. Anderson, Program Manager, Patent Office Liaison.

Date: April 6, 2004



Gerald Rosenthal
Vice President, Intellectual Property & Licensing
International Business Machines Corporation



COPY

MAY 23, 2002

PTAS

NUTTER, MCCLENNEN & FISH
DAVID J. POWSNER
ONE INTERNATIONAL PLACE
BOSTON, MA 02110-2699

Chief Information Officer
Washington, DC 20231
www.uspto.gov



102039425A

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RECORDATION DATE: 03/15/2002

REEL/FRAME: 012726/0112
NUMBER OF PAGES: 18

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BRADSHAW, PAUL LAWRENCE

DOC DATE: 12/24/2001

ASSIGNOR:

DELAIRE, BRIAN AUGUSTINE

DOC DATE: 02/21/2002

ASSIGNOR:

DOUGLAS, DANIEL GRAHAM

DOC DATE: 12/13/2001

ASSIGNOR:

DUNHAM, DOUGLAS PAUL

DOC DATE: 12/12/2001

ASSIGNOR:

DUNTON, TINA LYNN

DOC DATE: 01/07/2002

ASSIGNOR:

GROVES, DAVID WILSON

DOC DATE: 01/02/2002

ASSIGNOR:

HOANG, VINCENT JOMARTIN

DOC DATE: 12/11/2001

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012726/0112 PAGE 2

ASSIGNOR:
HOBBS, NANCY LOTT

DOC DATE: 12/12/2001

ASSIGNOR:
HSU, HIS TAI (STEVE)

DOC DATE: 02/23/2002

ASSIGNOR:
LORBER, LOUIS LEO

DOC DATE: 12/12/2001

ASSIGNOR:
NGUYEN, NGOC V.

DOC DATE: 12/14/2001

ASSIGNOR:
TEVIS, GREGORY JOHN

DOC DATE: 02/26/2002

ASSIGNOR:
YIP, OPHELIA K.

DOC DATE: 02/27/2002

ASSIGNEE:
INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09972207
PATENT NUMBER:

FILING DATE: 10/05/2001
ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1015A
Expires 06/30/09
OMB 0651-0027

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- ☐ Correction of PTO Error
Reel # _____ Frame # _____
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Reel # _____ Frame # _____

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- ☒ Assignment ☐ Security Agreement
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- ☐ Merger ☐ Other _____

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Name (line 1) Paul Lawrence Bradshaw

Execution Date
Month Day Year
12242001

Name (line 2) _____

Second Party

Name (line 1) Brian Augustine Delaire

Execution Date
Month Day Year
02212002

Name (line 2) _____

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Name (line 1) International Business Machines Corporation

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Address (line 1) New Orchard Road

Address (line 2) _____

Address (line 3) Armonk

New York

10504

City

State/Country

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Area Code and Telephone Number 617-439-2717

Name David J. Powsner

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Address (line 2) One International Place

Address (line 3) Boston, MA 02110-2699

Address (line 4)

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Enter the total number of pages of the attached conveyance document
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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09972207

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

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PCT

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1

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Authorization to charge additional fees:

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Statement and Signature

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David J. Powsner

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Name (line 1) Daniel Graham Douglas

Execution Date
Month Day Year

12132001

Name (line 2)

Name (line 1) Douglas Paul Dunham

Execution Date
Month Day Year

12122001

Name (line 2)

Name (line 1) Tina Lynn Dunton

Execution Date
Month Day Year

01072002

Name (line 2)

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Name (line 1) David Wilson Groves

Execution Date
Month Day Year

01022002

Name (line 2)

Name (line 1) Vincent Jomartin Hoang

Execution Date
Month Day Year

12112001

Name (line 2)

Name (line 1) Nancy Lott Hobbs

Execution Date
Month Day Year

12122001

Name (line 2)

Receiving Party(ies)

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

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Name (line 2)

Address (line 1)

Address (line 2)

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Name (line 1) His Tai (Steve) Hsu

Execution Date
Month Day Year

02232002

Name (line 2)

Name (line 1) Louis Leo Lorber

Execution Date
Month Day Year

12122001

Name (line 2)

Name (line 1) Ngoc V. Nguyen

Execution Date
Month Day Year

12142001

Name (line 2)

Receiving Party(ies)



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Name (line 2)

Address (line 1)

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Patent Application Number(s)

Patent Number(s)

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Enter additional Conveying Parties

Name (line 1) Gregory John Tevis

Execution Date
Month Day Year

02262002

Name (line 2)

Name (line 1) Ophelia K. Yip

Execution Date
Month Day Year

02272002

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

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Address (line 1)

Address (line 2)

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Patent Application Number(s)

Patent Number(s)

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

ASSIGNMENT

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Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz,
County of Santa Cruz and State of California,
and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont,
County of Alameda and State of California,
and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose,
County of Santa Clara and State of California,
and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose,
County of Santa Clara and State of California,
and (5) Tina Lynn Dumton of 5690 Lilac Blossom Lane, San Jose,
County of Santa Clara and State of California,
and (6) David Wilson Groves of 1118 Settle Avenue, San Jose,
County of Santa Clara and State of California,
and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose,
County of Santa Clara and State of California,
and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale,
County of Santa Clara and State of California,
and (9) His Tai (Steve) Hsu of , ,
County of and State of ,
and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara,
County of Santa Clara and State of California,
and (11) Ngoc V. Nguyen of , ,
County of and State of ,
and (12) Gregory John Tevis of 2811 West Puccini Place, Tuscon,
County of Pima and State of Arizona,
and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco,
County of San Francisco and State of California,

have invented certain improvements in

STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM
EXTENSION POLICY

and executed, respectively, a United States patent application therefor on

(1) 12/24, 2001, (2) _____, 2001, (3) _____, 2001, (4) _____, 2001,
(5) _____, 2001, (6) _____, 2001, (7) _____, 2001, (8) _____, 2001,
(9) _____, 2001, (10) _____, 2001, (11) _____, 2001, (12) _____, 2001,
(13) _____, 2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;


Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

COPY

Signed and sealed

(1) at <u>7:01 PM</u>		Signature
on <u>12/27/01</u> , 2001,	Paul Lawrence Bradshaw	Inventor
(2) at _____	_____	Signature
on _____, 2001,	Brian Augustine Delaire	Inventor
(3) at _____	_____	Signature
on _____, 2001,	Daniel Graham Douglas	Inventor
(4) at _____	_____	Signature
on _____, 2001,	Douglas Paul Dunham	Inventor
(5) at _____	_____	Signature
on _____, 2001,	Tina Lynn Duntun	Inventor
(6) at _____	_____	Signature
on _____, 2001,	David Wilson Groves	Inventor
(7) at _____	_____	Signature
on _____, 2001,	Vincent Jomartin Hoang	Inventor
(8) at _____	_____	Signature
on _____, 2001,	Nancy Lott Hobbs	Inventor
(9) at _____	_____	Signature
on _____, 2001,	His Tai (Steve) Hsu	Inventor
(10) at _____	_____	Signature
on _____, 2001,	Louis Leo Lorber	Inventor
(11) at _____	_____	Signature
on _____, 2001,	Ngoc V. Nguyen	Inventor
(12) at _____	_____	Signature
on _____, 2001,	Gregory John Tevis	Inventor
(13) at _____	_____	Signature
on _____, 2001,	Ophelia K. Yip	Inventor

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 671 US

DOCKET: SJ09-2001-0097

ASSIGNMENT

COPY

Whereas, we

(1) Paul Lawrence Bradshaw of 309 Heavenly Way, Santa Cruz,
County of Santa Cruz and State of California,
and (2) Brian Augustine Delaire of 38448 Crosspointe Cmn., Fremont,
County of Alameda and State of California,
and (3) Daniel Graham Douglas of 1607 Puerto Vallarta Drive, San Jose,
County of Santa Clara and State of California,
and (4) Douglas Paul Dunham of 89 Cashew Blossom Drive, San Jose,
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and (5) Tina Lynn Dunton of 5690 Lilac Blossom Lane, San Jose,
County of Santa Clara and State of California,
and (6) David Wilson Groves of 1118 Settle Avenue, San Jose,
County of Santa Clara and State of California,
and (7) Vincent Jomartin Hoang of 1094 Saddlewood Drive, San Jose,
County of Santa Clara and State of California,
and (8) Nancy Lott Hobbs of 969 Leighton Way, Sunnyvale,
County of Santa Clara and State of California,
and (9) His Tai (Steve) Hsu of , ,
County of and State of ,
and (10) Louis Leo Lorber of 205 Alviso Street, Santa Clara,
County of Santa Clara and State of California,
and (11) Ngoc V. Nguyen of , ,
County of and State of ,
and (12) Gregory John Tevis of 2811 West Puccini Place, Tucson,
County of Pima and State of Arizona,
and (13) Ophelia K. Yip of 1717 Taraval Street, San Francisco,
County of San Francisco and State of California,

have invented certain improvements in

STORAGE AREA NETWORK METHODS AND APPARATUS WITH HIERARCHICAL FILE SYSTEM
EXTENSION POLICY

and executed, respectively, a United States patent application therefor on

(1) _____, 2001, (2) 12/21/02, ~~2001~~, (3) _____, 2001, (4) 12/12, 2001,
(5) 01/07/02, ~~2001~~, (6) 1/2, 2001, (7) 12/11, 2001, (8) 12/12, 2001,
(9) _____, 2001, (10) 12/12, 2001, (11) _____, 2001, (12) _____, 2001,
(13) 02/27/02, ~~2001~~

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor,

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

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(1) at _____	Signature
on _____, 2001,	Paul Lawrence Bradshaw
(2) at <u>San Jose</u>	<u>Brian Delaire</u>
on <u>2/24/02</u> , 2001,	Brian Augustine Delaire
(3) at _____	Signature
on _____, 2001,	Daniel Graham Douglas
(4) at <u>San Jose</u>	<u>Douglas Paul Dunham</u>
on <u>12/12</u> , 2001,	Douglas Paul Dunham
(5) at <u>San Jose</u>	<u>Tina Lynn Dunton</u>
on <u>1-7-2002</u> , 2001,	Tina Lynn Dunton
(6) at <u>SAN JOSE</u>	<u>David W. Groves</u>
on <u>1/2</u> , 2001,	David Wilson Groves
(7) at <u>San Jose</u>	<u>Vincent Hoang</u>
on <u>12/11</u> , 2001,	Vincent Jomartin Hoang
(8) at <u>San Jose</u>	<u>Nancy Lott Hobbs</u>
on <u>12/12</u> , 2001,	Nancy Lott Hobbs
(9) at _____	Signature
on _____, 2001,	His Tai (Steve) Hsu
(10) at <u>San Jose</u>	<u>Louis Leo Lorber</u>
on <u>12, 12</u> , 2001,	Louis Leo Lorber
(11) at _____	Signature
on _____, 2001,	Ngoc V. Nguyen
(12) at _____	Signature
on _____, 2001,	Gregory John Tevis
(13) at <u>San Jose</u>	<u>Ophelia K. Yip</u>
on <u>2/27/02</u> , 2001,	Ophelia K. Yip

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EXTENSION POLICY

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(9) _____, 2001, (10) _____, 2001, (11) _____, 2001, (12) _____, 2001,
(13) _____, 2001

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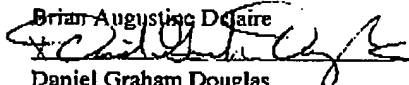
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COPY

Signed and sealed

(1) at _____	_____	Signature
on _____, 2001,	Paul Lawrence Bradshaw	Inventor
(2) at _____	_____	Signature
on _____, 2001,	Brian Augustine DeJaire	Inventor
(3) at <u>Los Angeles, CA</u>		Signature
on <u>Dec 13</u> , 2001,	Daniel Graham Douglas	Inventor
(4) at _____	_____	Signature
on _____, 2001,	Douglas Paul Dunham	Inventor
(5) at _____	_____	Signature
on _____, 2001,	Tina Lynn Danton	Inventor
(6) at _____	_____	Signature
on _____, 2001,	David Wilson Groves	Inventor
(7) at _____	_____	Signature
on _____, 2001,	Vincent Jomartin Hoang	Inventor
(8) at _____	_____	Signature
on _____, 2001,	Nancy Lori Hobbs	Inventor
(9) at _____	_____	Signature
on _____, 2001,	His Tai (Steve) Hsu	Inventor
(10) at _____	_____	Signature
on _____, 2001,	Louis Leo Lorber	Inventor
(11) at _____	_____	Signature
on _____, 2001,	Ngoc V. Nguyen	Inventor
(12) at _____	_____	Signature
on _____, 2001,	Gregory John Tevis	Inventor
(13) at _____	_____	Signature
on _____, 2001,	Ophelia K. Yip	Inventor

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(13) _____, 2001

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on _____, 2001,	Paul Lawrence Bradshaw Inventor
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on _____, 2001,	Brian Augustine Delaire Inventor
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(4) at _____	_____ Signature
on _____, 2001,	Douglas Paul Dunham Inventor
(5) at _____	_____ Signature
on _____, 2001,	Tina Lynn Duntun Inventor
(6) at _____	_____ Signature
on _____, 2001,	David Wilson Groves Inventor
(7) at _____	_____ Signature
on _____, 2001,	Vincent Jomartin Hoang Inventor
(8) at _____	_____ Signature
on _____, 2001,	Nancy Lott Hobbs Inventor
(9) at <u>Fremont</u>	<u>His-Tai</u> <u>Hsu</u> Signature
on <u>2/23/02</u> , 2001,	His Tai (Steve) Hsu Inventor
(10) at _____	_____ Signature
on _____, 2001,	Louis Leo Lorber Inventor
(11) at _____	_____ Signature
on _____, 2001,	Ngoc V. Nguyen Inventor
(12) at _____	_____ Signature
on _____, 2001,	Gregory John Tevis Inventor
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on _____, 2001,	Daniel Graham Douglas
(5) at _____	Inventor
on _____, 2001,	Signature
(6) at _____	Douglas Paul Dunham
on _____, 2001,	Inventor
(7) at _____	Signature
on _____, 2001,	Tina Lynn Dumton
(8) at _____	Inventor
on _____, 2001,	Signature
(9) at _____	David Wilson Groves
on _____, 2001,	Inventor
(10) at _____	Signature
on _____, 2001,	Vincent Jomartin Hoang
(11) at <u>San Jose</u>	Inventor
on <u>12/14</u> , 2001,	Signature
(12) at _____	Louis Leo Lorber
on _____, 2001,	Inventor
(13) at _____	Signature
on _____, 2001,	Ngoc V. Nguyen
	Inventor
	Signature
	Gregory John Tevis
	Inventor
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(11) at _____	_____ Signature
on _____, 2001,	Ngoc V. Nguyen Inventor
(12) at <u>Iverson</u>	<u>Gregory John Lewis</u> Signature
on <u>2-26</u> , 2001,	Gregory John Lewis Inventor
(13) at _____	_____ Signature
on _____, 2001,	Ophelia K. Yip Inventor

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Bradshaw et al.

Serial No. 09/972,207

Filing Date: October 5, 2001.

for STORAGE AREA NETWORK METHODS
AND APPARATUS WITH
HIERARCHICAL FILE SYSTEM
EXTENSION POLICY

Attorney Docket: SJ09-2001-0097

Examiner:

Art Unit:

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CERTIFICATE OF MAILING

The undersigned certifies that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail addressed to the United States Patent and Trademark Office, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231.

Date: 3/8/02

David J. Powsner, Reg. No. 31,868

UNITED STATES PATENT AND TRADEMARK OFFICE
OFFICE OF PUBLIC RECORDS
CRYSTAL GATEWAY 4
ROOM 335
WASHINGTON, DC 20231

TRANSMITTAL LETTER

Sir:

Please find enclosed:

- Six (6)* *One (1)* *arm 3/8/02*
- (1) Assignment and Recordation Sheet;
 - (2) Check in the amount of \$40.00 to cover recordation fees; and
 - (3) Return postcard.

Please charge any additional fees that may be required to Deposit Account No. 141449.

Respectfully submitted,

Date: 3/8/02

David J. Powsner, Reg. No. 31,868

ATTORNEYS OF APPLICANTS
Nutter, McClennen & Fish LLP
One International Place
Boston, MA 02110-2699
Telephone: 617-439-2717
Telefax: 617-310-9717